

E P

ŖСТ

国際調査報告

(法8条、法施行規則第40、41条) [PCT18条、PCT規則43、44]

出願人又は代理人 の書類記号 S99P0018W000	今後の手続きについては、国際調査報告の送付通知様式(PCT/ISA/220) 及び下記5を参照すること。				
国際出願番号 PCT/JP99/00151	国際出願日 (日.月.年) 19.01.99	優先日 (日.月.年) 19.01.98			
出願人 (氏名又は名称) ソニー株式会社					
国際調査機関が作成したこの国際調 この写しは国際事務局にも送付され	査報告を法施行規則第41条(PCT18 る。	条)の規定に従い出願人に送付する。 /			
この国際調査報告は、全部で 2	ページである。 	·			
この調査報告に引用された先行	技術文献の写しも添付されている。				
□ この国際調査機関に提出さ	くほか、この国際出願がされたものに基 なれた国際出願の翻訳文に基づき国際調	査を行った。			
b. この国際出願は、ヌクレオチ この国際出願に含まれる書	ド又はアミノ酸配列を含んでおり、次の 計面による配列表	配列表に基づき国際調査を行った。			
□ この国際出願と共に提出さ	れたフレキシブルディスクによる配列	表			
出願後に、この国際調査機	と関に提出された書面による配列表	ſ '			
□ 出願後に、この国際調査機 □ 出願後に提出した書面によ	後関に提出されたフレキシブルディスク し	による配列表 開示の範囲を超える事項を含まない旨の陳述			
書の提出があった。 書面による配列表に記載しまの提出があった。	.た配列とフレキシブルディスクによる .	配列表に記録した配列が同一である旨の陳述			
2. 請求の範囲の一部の調査	ができない(第I欄参照)。				
3. 発明の単一性が欠如して	いる(第Ⅱ欄参照)。				
4. 発明の名称は x 出	願人が提出したものを承認する。				
□ 次	に示すように国際調査機関が作成した。				
5. 要約は 🗵 出	願人が提出したものを承認する。				
E	Ⅲ欄に示されているように、法施行規則 際調査機関が作成した。出願人は、この 国際調査機関に意見を提出することがで	川第47条(PCT規則38.2(b))の規定により D国際調査報告の発送の日から1カ月以内にこ できる。			
6. 要約書とともに公表される図は 第 <u>5</u> 図とする。 出	t、 出願人が示したとおりである。	□なし			
x #	鼠願人は図を示さなかった。				
*	図は発明の特徴を一層よく表している。				



^	発明の属する分野の分類	第(国際特許分類	(1	P (C))
Δ	- 4PPM (ノ) (風、9、5) カギ(リノカチ	はくしられてもりとした。	١.		-,	

C 1 ° G11B 20/10, G11B 27/031, H04N 5/262, H04N 5/91, H04N 5/92, H04N 7/52

調査を行った分野

調査を行った最小限資料(国際特許分類(IPC))

C 1 ° G11B 20/10, G11B 27/031, H04N 5/262, H04N 5/91, H04N 5/92, H04N 7/52

最小限資料以外の資料で調査を行った分野に含まれるもの

日本国実用新案広報

1940-1999年

日本国公開実用新案広報 1971-1999年

国際調査で使用した電子データベース(データベースの名称、調査に使用した用語)

C. 関連すると認められる文献							
引用文献の カテゴリー*	引用文献名 及び一部の箇所が関連するときは、その関連する箇所の表示	関連する 請求の範囲の番号					
Р	JP, 10-98713, A(ソニー株式会社)14.4月.1998(14.04.98) (ファミリーなし)	1-27					
A	JP,8-130712,A(三洋電機株式会社)21.5月.1996(21.05.96) (ファミリーなし)	1 - 2.7					
A	JP,8-9366,A (日本電信電話株式会社) 12.1月.1996(12.01.96) (ファミリーなし)	1-27					
A	JP,6-253331,A(株式会社東芝)9.9月.1994(09.09.94) (ファミリーなし)	1-27					

C欄の続きにも文献が列挙されている。

パテントファミリーに関する別紙を参照。

* 引用文献のカテゴリー

- 「A」特に関連のある文献ではなく、一般的技術水準を示す
- 「E」国際出願日前の出願または特許であるが、国際出願日 以後に公表されたもの
- 「L」優先権主張に疑義を提起する文献又は他の文献の発行 日若しくは他の特別な理由を確立するために引用する 文献 (理由を付す)
- 「O」口頭による開示、使用、展示等に言及する文献
- 「P」国際出願日前で、かつ優先権の主張の基礎となる出願

の日の後に公表された文献

- 「T」国際出願日又は優先日後に公表された文献であって て出願と矛盾するものではなく、発明の原理又は理 論の理解のために引用するもの
- 「X」特に関連のある文献であって、当該文献のみで発明 の新規性又は進歩性がないと考えられるもの
- 「Y」特に関連のある文献であって、当該文献と他の1以 上の文献との、当業者にとって自明である組合せに よって進歩性がないと考えられるもの
- 「&」同一パテントファミリー文献

国際調査を完了した日

13.04.99

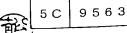
国際調査報告の発送日

27.04.99

国際調査機関の名称及びあて先

日本国特許庁(ISA/JP)

郵便番号100-8915 東京都千代田区霞が関三丁目4番3号 特許庁審査官(権限のある職員)-松元 伸次



電話番号 03-3581-1101 内線 6834

PCT	For re	ceiving Office use only					
101	International Application	No.					
REQUEST	International Filing Date						
The undersigned requests that the present		,					
international application be processed according to the Patent Cooperation Treaty.	Name of receiving Office	and "PCT International Application"					
	Applicant's or agent's file (if desired) (12 characters in	COODO01011000 1					
Box No. I TITLE OF INVENTION Editing System, Editing Contr Controlling Method	olling Appara	tus, and Editing					
Box No. II APPLICANT							
Name and address: (Family name followed by given name: for a designation. The address must include postal code and name of co address indicated in this Box is the applicant's State (that is, count of residence is indicated below.)	legal entity, full official untry. The country of the y) of residence if no State	This person is also inventor.					
SONY CORPORATION		Telephone No. 03-5448-2111					
7-35, Kitashinagawa 6-chome Shinagawa-ku, TOKYO	•	Facsimile No. 03-5448-5709					
141-0001 <u>JAPAN</u>		Teleprinter No. J22262					
State (that is, country) of nationality: JAPAN	State (that is, country) JAPAN	of residence:					
This person is applicant for the purposes of: All designated for the purposes of: X All designated X Al		the United States the States indicated in the Supplemental Box					
Box No. III FURTHER APPLICANT(S) AND/OR (FUR	THER) INVENTOR(S)						
Name and address: (Family name followed by given name: for designation. The address must include postal code and name of coaddress indicated in this Box is the applicant's State (that is, count of residence is indicated below.)	a legal entity, full official ountry. The country of the try) of residence if no State	This person is: applicant only					
Hiromi YOSHINARI c/o SONY CORPORATION		applicant and inventor					
7-35, Kitashinagawa 6-chome Shinagawa-ku, TOKYO 141-0001 JAPAN		inventor only (If this check-box is marked, do not fill in below.)					
State (that is, country) of nationality: JAPAN	State (that is, country) JAPAN	of residence:					
This person is applicant for the purposes of: all designated all design the United		he United States the States indicated in the Supplemental Box					
Further applicants and/or (further) inventors are indicate	d on a continuation sheet.						
Box No. IV AGENT OR COMMON REPRESENTATIVE	E; OR ADDRESS FOR	Box No. IV AGENT OR COMMON REPRESENTATIVE; OR ADDRESS FOR CORRESPONDENCE					

Room 420, 25 Sankyo Bldg., 48-10, Higashi Ikebukuro 1-chome, Toshima-ku, TOKYO 170-0013 JAPAN

8276 Masatomo Sugiura, Patent Attorney

Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country.)

Telephone No.

03-3980-0339

Facsimile No.

X

agent

03-3982-3166

Teleprinter No.

Address for correspondence: Mark this check-box where no agent or common representative is/has been appointed and the space above is used instead to indicate a special address to which correspondence should be sent. Form PCT/RO/101 (first sheet) (July 1998; reprint January 1999)

The person identified below is hereby/has been appointed to act on behalf

of the applicant(s) before the competent International Authorities as:

See Notes to the request form

common representative





Continuation of Box No. III FURTHER APPLICANT(S) AND/OR (FURTHER) INVENTOR(S)								
If none of the following sub-boxes is used, th		included in the request.						
Name and address: (Family name followed by given name: for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.) Yoshihiro MURAKAMI C/O SONY CORPORATION This person is:								
7-35, Kitashinagawa 6-chome		x applicant and inventor						
Shinagawa-ku, TOKYO 141-0001 <u>JAPAN</u>		inventor only (If this check-box is marked, do not fill in below.)						
State (that is, country) of nationality: JAPAN	State (that is, country) JAPAN	of residence:						
This person is applicant all designated for the purposes of: all designated the United States		the United States the States indicated in the Supplemental Box						
Name and address: (Family name followed by given name; for a le designation. The address must include postal code and name of coun address indicated in this Box is the applicant's State (that is, country) of residence is indicated below.)	egal entity, full official iry. The country of the of residence if no State	This person is: applicant only applicant and inventor inventor only (If this check-box is marked, do not fill in below.)						
State (that is, country) of nationality:	State (that is, country)	of residence:						
This person is applicant for the purposes of: all designated the United States all designated the United States		he United States the States indicated in the Supplemental Box						
Name and address: (Family name followed by given name; for a le designation. The address must include postal code and name of coun address indicated in this Box is the applicant's State (that is, country) of residence is indicated below.)	gal entity, full official try. The country of the of residence if no State	This person is: applicant only applicant and inventor inventor only (If this check-box is marked, do not fill in below.)						
State (that is, country) of nationality:	State (that is, country)	of residence:						
This person is applicant all designated all designated	States except	the United States						
		the United States of America only the Supplemental Box						
Name and address: (Family name followed by given name; for a le designation. The address must include postal code and name of coun address indicated in this Box is the applicant's State (that is, country) of residence is indicated below.)	egal entity, full official Irv. The country of the of residence if no State	This person is: applicant only applicant and inventor inventor only (If this check-box is marked, do not fill in below.)						
State (that is, country) of nationality:	State (that is, country)	of residence:						
This person is applicant all designated for the purposes of: all designated the United States the United States		the United States the States indicated in the Supplemental Box						
Further applicants and/or (further) inventors are indicated on another continuation sheet.								

4	À

4	
4	
•	

The following designations are hereby made under Rule 4.9(a) /mark the applicable check-boxes; at least one matt be marked): AP ARIPO Patent: GH Ghana. GM Gambia. KE Kenya, LS Lesotho, MW Malawi, SD Sudan, SZ Swaziland, US Uganda, ZW Zimhabwe, and yother State which is a Contracting State of the Harner Protocol and of the PCT of Moldova, RU Russian Pederation, TJ Tiplikistan, TM Turkmenistan, and any other State which is a Contracting State of the Braner Protocol and of the PCT of Moldova, RU Russian Pederation, TJ Tiplikistan, TM Turkmenistan, and any other State which is a Contracting State of the Eurasian Patent Convention and of the PCT of Moldova, RU Russian Peteration, TJ History, LD Russian, TF Iriliand, FR France, GB United Kingdom: GR Greec, IT Iriliand, TR History, LD Russian, TF Iriliand, FR France, GB United Kingdom: GR Greec, IT Iriliand, TR History, LD Russian, TF Iriliand,	Box N		DESIGNATION OF STATES					
Regional Patent AP ARIPO Patent: GH Ghana. GM Gambia. KE Kenya. LS Lesotho. MW Malawi. SD Sudan. SZ Swaziland. UG Uganda. ZW Zimbabwe, and any other State which is a Contracting State of the Harar Protocol and of the PCT Moldova. RU Russian Patent: AM Armenia. AZ Azerbaijan SW Belanus. KG Kyrgyzstan, KZ Azazkhstan, MD Republic of Moldova. RU Russian Federation. TJ Tujikistan. TM Turkmenistan. and any other State which is a Contracting State of the Harar Protocol and of the PCT and of the PCT and the Eurasian Patent: AT Austria. BE given and of the PCT and the Eurasian Patents. AT Austria. BE Eliginate (Gil United Kingdom, GR Greece, EE Ireland. IT Haly. LU Luxembourg. MC Monaco, NI. Netherlands. PT Portugal, EE Sweeden. and any other State which is a Contracting State de Contracting State United Kingdom, GR Greece, EE Ireland. IT Haly. LU Luxembourg. MC Monaco, NI. Netherlands. PT Portugal, EE Sweeden. and any other State which is a Contracting State of OAP! and a Contracting State of the PCT Global European Patent Convention and of the PCT and African Republic. GC Congo. CI Côte d'Ivoire. CM Cameroon. GA Gabon. GN Guinea. GW Guinea-Bissau. ML Mail. MR Mauritania. NE Niger. SN Senegal. TID Chad. TG Togo, and any other State which is a member State of OAP! and a Contracting State of the PCT flyobic stand of procession or reasonate desired. specify on dental Intol. National Patent: Growth State of OAP! and a Contracting State of the PCT flyobic stand of the PCT of the State of procession or reasonate desired. specify on dental Intol. National Patent: Growth State of OAP! and a Contracting State of the PCT flyobic stand of the PCT and Austria. LY Lavis and LY Lavis and LY Lavis and LY Livis and State of the PCT flyobic stand of the PCT and Austria. LY Lavis and LY Lavis and LY Lavis and LY Livis and LY Li	The fo	The following designations are hereby made under Rule 4.9(a) (mark the applicable check-boxes; at least one must be marked):						
AP ARIPO Patent: GH Ghana, GM Gambia, KK Kenya, LS Lesotho, MW Malawi, SD Sudan, SZ Swaziland. UG Uganda, ZP Waziland and yother State which is a Contracting State of the Harar Protocol and of the PCT Modelow, RU Russian Federation, 11 Tajikitant, TM Turkmenistan, and any other State which is a Contracting State of the Eurosian Patent: AM Ammenia, AZ Azerbaijan, BY Belanzs, KG Kyrgyztan, KZ Kazakhstan, MD Republic of Moldova, RU Russian Federation, 11 Tajikitant, TM Turkmenistan, and any other State which is a Contracting State of the Eurosian Patent Convention and of the PCT of MC Monaco, NJ, Netherlands, PT Portugal, SE Sweden, and any other State which is a Contracting State of the European Patent Convention and of the PCT of MC Monaco, NJ, Netherlands, PT Portugal, SE Sweden, and any other State which is a member State of OAPI and a Contracting State of the European Patent Convention and of the PCT of Mc Mc Monaco, NJ, Netherlands, PT Portugal, SE Sweden, and any other State which is a member State of OAPI and a Contracting State of the European Patent (Polher kind of protection or retainered desired, specify on dotted land). National Patent (Polher kind of protection or retainered desired, specify on dotted land). National Patent (Polher kind of protection or retainered desired, specify on dotted land). National Patent (Polher kind of protection or retainered desired, specify on dotted land). National Patent (Polher kind of protection or retainered desired, specify on dotted land). National Patent (Polher kind of protection or retainered desired, specify on dotted land). National Patent (Polher kind of protection or retainered desired, specify on dotted land). National Patent (Polher kind of protection or retainered desired, specify on dotted land). National Patent (Polher kind of protection or retainered desired, specify on dotted land). National Patent (Polher kind of Polher kind of Contracting State of the PCT (Polher kind of Contracting State of the PCT (Polher kind of Contracting State of								
ZW Zimbabwe, and any other State which is a Contracting State of the Harae Protocol and of the PCI Ex Lurstain Patent: AM Amenia, AZ Azerbajan, BY Belarus, KG Kyrgzstan, KZ, Kazakhttan, MD Republic of Moldova, RU Russian Federation, TJ Tajikistan, TM Turkmenistan, and any other State which is a Contracting State of the Eurosian Patent: AT State Patent and the PCI Ex Puropean Patent: AT State Patent and the PCI Ox O API Patent: BY Burkina Paso, BJ Benin, CF Central African Republic, CG Congo, CI Côte d'Ivoire, CM Cameroon, GA Gabon, GN Guinea, GW Guinea-Bissan, ML Mail, MR Mauritania, NE Niger, SN Senegal, TD Chad, TG Togo, and any other State which is a member State of OAPI and a Contracting State of the PCI (f) other kind of protection or reament desired, specify on dotted line): AL Albania LS Lesotho LS	_	4	A RIPO Patent: GH Ghana GM Gambia KE Kenva.	LS I.	esoth	o. MW Malawi, SD Sudan, SZ Swaziland, UG Uganda.		
EA Eurasian Patent: AM Amenia AZ Azerbaijan, BY Belans, KG Kyrgyzstan, KZ Kazabhstan, MR Republic of Moldova, RU Russian Federation, 17 Tajikistan, TM Turkmenistan, and any other State which is a Contracting State of the Eurasian Patent Convention and of the PCT	ш		ZW Zimbabwe, and any other State which is a Contra	cting	State	e of the Harare Protocol and of the PC1		
Moldova, RU Russian Federation, TJ Tajikistan, TM Turkmenistan, and any other State which is a Contracting State of the Eurosian Patent: AT Austria, BE Belgium, CH and LI Switzerland and Liechtenstein, CY Cyprus, DE Germany, DE Chemark, ES Spain, FI Finland, FR France, GB United Kingdom, GR Greece, IE Ireland, TI laly, LU Luxembourg, December of the PCT of the		EA	Eurasian Patent: AM Armenia AZ Azerbaijan, E	SY B	lelaru	s. KG Kyrgyzstan, KZ Kazakhstan, MD Republic of		
EP European Patent: AT Austria, BE Belgium, CH and LI Switzerland and Liechtenstein, CY Cyprus, BC Germany, BC Denmark, ES Spain, FI Finiand, FF France, GB United Kingdom, GR Greece, IE Ireland, TI laily, JUL Luxembourg, MC Monaco, NL Netherlands, FT Portugal, SE Sweden, and any other State which is a Contracting State of the European Patent Convention and of the PCT of Gabon, GN Guiene, GN Guinea-Bissau, ML Maii, MR Mauritania, NE Niger, SN Senegal, TD Chad, TG Togo, and any other State which is a member State of OAPI and a Contracting State of the PCT (fother land of protection or reasoners desired, specify or dotted line): AA Albania		~	Moldova, RU Russian Federation, TJ Tajikistan, TM	Tur	kmen	istan, and any other State which is a Contracting State		
DK Denmark: ES Spain, FI Finland, FR France, GB United Kingdom, Add Ki			of the Eurasian Patent Convention and of the PCT					
MC Monaco, NL Netherlands, FT Portugal, SE Sweden, and any other State which is a Contracting State of the European Patent Convention and of the PCT OA OAPI Patent: BF Burkins Faso, BJ Benin, CF Central African Republic, CG Congo, CI Côte d'Voire, CM Cameroon, GA Gabon, GN Guinea, GW Guinea-Bissau, ML Mail, MR Mauntania, NE Niger, SN Senegal, TD Chad, TG Togo, and any other State which is a member State of OAPI and a Contracting State of the PCT (Fother Intel of protection or recument desired, specify or dotted line): National Patent (Fother Intel of protection or recument desired, specify or dotted line): AL Al Albania	\mathbf{X}	EP	European Patent: AT Austria, BE Belgium, CH ar	id L	I Swi	tzerland and Liechtenstein, CY Cyprus, DE Germany,		
Patent Convention and of the PCT OA OAPI Patents: BF Durkina Faso. BJ Benin, CF Central African Republic, CG Congo. CI Côte d'Ivoire, CM Cameroon, GA Gabon, GN Guinea, GW Guinea-Bissau, ML Mali, MR Mauritania, NE Niger, SN Senegal, TD Chad, TG Togo, and any other State which is a member State of OAPI and a Contracting State of the PCT (if other hand of protection or treatment desired, specify on dotted line): National Patent if other hand of protection or treatment desired, specify on dotted line): AL Albania			DK Denmark, ES Spain, FI Finland, FR France, GB U	nited	Ming	other State which is a Contracting State of the European		
OA OAPI Patent: BF Burkina Faso, BJ Benin, CF Central African Republic, CG Congo, CI Cold «Ivoire, CM Cameroon, Ga Gabon, GN Guinea, GW Guinea-Bissau ML Mail, MR Mauritania, NE Niger, SN Senegal, TD Chad, TG Togo, and any other State which is a member State of OAPI and a Contracting State of the PCT (I John Fund of protection or treatment desired, specify on dotted line): National Patent (I John Find of protection or treatment desired, specify on dotted line): AL Albania			Patent Convention and of the PCT	cu		onici otato milanto a constraint governo constraint por		
GA Gabon, GN Guinea, GW Guinea-Bissau, ML Mail, MR Maurtania, NE Niger, SN Senegal, 10 U-fail 1690, and any other State which is a member State of OAPI and a Contracting State of the PCT (fother hind of protection or breament desired, specify on dotted line): AL Albania		0.4	OAPI Patent: RF Burking Faso, BJ Benin, CF Centra	l Afr	ican l	Republic, CG Congo, CI Côte d'Ivoire, CM Cameroon,		
any other State which is a member State of OAPI and a Contracting State of the PCT (if other land of protection or breatment desired, specify on dotted line): AL Albania		GA Gabon, GN Guinea, GW Guinea-Rissau, ML Mali, MR Mauritania, NE Niger, SN Senegal, ID Chad, IG 10go, and						
National Patent (f) other kind of protection or treatment desired, specify on dotted line): AL Albania			any other State which is a member State of OAPI and	a Co	ntrac	ting State of the PCT (if other kind of protection or treatment		
AL Albania								
AM Armenia	Nation	al Pate	nt (if other kind of protection or treatment desired, specify or					
AT Austria		AL	Albania		LS	Lesotho		
AT Austria	Ē	AM	Armenia		LT	Lithuania		
AU Australia	\overline{a}				LU	Luxembourg		
MZ Azerbaijan				=		•		
BA Bosnia and Herzegovina	님							
BB Barbados	닏			=				
BG Bulgaria	닏			=				
BR Brazil		BB	Barbados	Ц	IVIK			
BY Belarus				_				
CA Canada				Ш		<u> </u>		
CH and LI Switzerland and Liechtenstein		BY	Belarus		-			
CH and LI Switzerland and Liechtenstein	[X]	CA	Canada		MX	Mexico		
☑ CN China □ NZ New Zealand □ CU Cuba □ PL Poland □ CZ Czech Republic □ PT Portugal □ DE Germany □ RO Romania □ DK Denmark □ RU Russian Federation □ ES Spain □ SE Sweden □ FI Finland □ SC Singapore □ GB United Kingdom □ SI Slovenia □ GB United Kingdom □ SI Slovakia □ GE Georgia □ SI Slovakia □ GB Georgia □ SI Slovakia □ GB Gambia □ TJ Tajikistan □ HR Croatia □ TR Turkey □ HV Hungary □ TT Trinidad and Tobago □ ID Indonesia □ UA Ukraine □ IL Israel □ UG Uganda □ IN India ☑ US United States of America □ IS Iceland □ VN Viet Nam <td>. =</td> <td>СН</td> <td>and LI Switzerland and Liechtenstein</td> <td></td> <td>NO</td> <td>Norway</td>	. =	СН	and LI Switzerland and Liechtenstein		NO	Norway		
□ CU Cuba □ PL Poland □ CZ Czech Republic □ PT Portugal □ DE Germany □ RO Romania □ DK Denmark □ RU Russian Federation □ ES Estonia □ SD Sudan □ ES Spain □ SE Sweden □ FI Finland □ SG Singapore □ GB United Kingdom □ SI Slovenia □ GD Grenada □ SK Slovakia □ GE Georgia □ SL Sierra Leone □ GH Ghana □ TJ Tajikistan □ GM Gambia □ TM Turkmenistan □ HR Croatia □ TR Turkey □ HU Hungary □ TT Trinidad and Tobago □ ID Indonesia □ UA Ukraine □ IL Israel □ UG Uganda □ IN India ☑ US United States of America □ IS Iceland ☑ US United States of America ☑ KE Kenya □ VN Viet Nam □ KE Kenya □ VN Viet Nam	_				NZ	New Zealand		
□ CZ Czech Republic □ PT Portugal □ DE Germany □ RO Romania □ DK Denmark □ RU Russian Federation □ EE Estonia □ SD Sudan □ ES Spain □ SE Sweden □ FI Finland □ SG Singapore □ GB United Kingdom □ SI Slovenia □ GB Grenada □ SK Slovakia □ GE Georgia □ SL Sierra Leone □ GH Ghana □ TJ Tajikistan □ GM Gambia □ TM Turkmenistan □ HR Croatia □ TR Turkey □ ID Indonesia □ UA Ukraine □ IL Israel □ UG Uganda □ IN India ☑ US United States of America □ IS Iceland ☑ UZ Uzbekistan ☑ IV Japan □ UZ Uzbekistan □ KE Kenya □ VN Viet Nam □ KE Kenya □ YU Yugoslavia □ KR Republic of Korea □ Ckek-boxes reserved for designating States (for the purposes of a national patent) which have become party to the PCT after issuance of this sheet: □ KS ritanka □ LK Srit Lanka □ LK Srit Larka □ LK Srit Larka □ LK Srit Larka □ Ckek-boxes reserved for designating States (for the purpose	_			$\overline{\Box}$	PL	Poland		
□ DE Germany □ RO Romania □ DK Denmark □ RU Russian Federation □ EE Estonia □ SD Sudan □ ES Spain □ SE Sweden □ FI Finland □ SG Singapore □ GB United Kingdom □ SI Slovenia □ GD Grenada □ SK Slovakia □ GF Georgia □ SL Sierra Leone □ GH Ghana □ TJ Tajikistan □ GM Gambia □ TM Turkmenistan □ HR Croatia □ TR Turkey □ HU Hungary □ TT Trinidad and Tobago □ IL Israel □ UG Uganda □ IN India ☑ US United States of America □ IS Iceland ☑ US United States of America ☑ IS Iceland ☑ UZ Uzbekistan ☑ KE Kenya □ VN Viet Nam □ KE Kenya □ VN Viet Nam □ KE Kenya □ YU Yugoslavia □ KY Zimbabwe Check-boxes reserved for designating States (for the purposes of a national patent) which have become party to the PCT after issuance of this sheet: □ KE Kenya Lucia □ LK Sri Lanka □ LK Sri Lanka □ LK Sri Lanka □ LK Liberia	=							
□ DK Denmark □ RU Russian Federation □ ES Estonia □ SD Sudan □ ES Spain □ SE Sweden □ FI Finland □ SG Singapore □ GB United Kingdom □ SI Slovenia □ GB Georgia □ SK Slovakia □ GH Ghana □ TJ Tajikistan □ GH Gambia □ TM Turkmenistan □ HR Croatia □ TR Turkey □ HV Hungary □ TT Trinidad and Tobago □ ID Indonesia □ UA Ukraine □ IL Israel □ UG Uganda □ IN India □ US United States of America □ IS Iceland □ UZ Uzbekistan □ KE Kenya □ UZ Uzbekistan □ KE Kenya □ VN VN Viet Nam □ KE Kenya □ VN VN Viet Nam □ KE	_							
□ EE Estonia □ SD Sudan □ ES Spain □ SE Sweden □ FI Finland □ SG Singapore □ GB United Kingdom □ SI Slovenia □ GD Grenada □ SK Slovakia □ GE Georgia □ SL Sierra Leone □ GH Ghana □ TJ Tajikistan □ GM Gambia □ TM Turkmenistan □ HR Croatia □ TR Turkey □ HU Hungary □ TT Trinidad and Tobago □ ID Indonesia □ UA Ukraine □ IL Israel □ UG Uganda □ IN India ☑ US United States of America □ IS Iceland ☑ US United States of America ☑ IS KE Kenya □ VN Viet Nam □ KE Kenya □ VN Viet Nam □ KF Democratic People's Republic of Korea □ ZW Zimbabwe Check-boxes reserved for designating States (for the purposes of a national patent) which have become party to the PCT after issuance of this sheet: □ KZ Kazakhstan □ LK Sri Lanka □ US Lanka □ LR Liberia □ US Liberia □ US Liberia	. =			=				
□ ES Spain □ SE Sweden □ FI Finland □ SG Singapore □ GB United Kingdom □ SI Slovania □ GD Grenada □ SK Slovakia □ GE Georgia □ SL Sierra Leone □ GH Ghana □ TJ Tajikistan □ GM Gambia □ TM Turkmenistan □ HR Croatia □ TR Turkey □ HU Hungary □ TT Trinidad and Tobago □ ID Indonesia □ UG Uganda □ II Israel □ UG Uganda □ IN India ☑ US United States of America □ IS Iceland ☑ US United States of America ☑ IS Iceland ☑ UZ Uzbekistan ☑ KE Kenya □ UZ Uzbekistan □ KE Kenya □ YU Yugoslavia □ KP Democratic People's Republic of Korea □ ZW Zimbabwe Check-boxes reserved for designating States (for the purposes of a national patent) which have become party to the PCT after issuance of this sheet: □ KZ Kazakhstan □ □ Check-boxes reserved for designating States (for the purposes of this sheet:	==			=				
☐ FI Finland ☐ SG Singapore ☐ GB United Kingdom ☐ SI Slovenia ☐ GD Grenada ☐ SK Slovakia ☐ GE Georgia ☐ SL Sierra Leone ☐ GH Ghana ☐ TJ Tajikistan ☐ GM Gambia ☐ TM Turkmenistan ☐ HR Croatia ☐ TR Turkey ☐ HU Hungary ☐ TT Trinidad and Tobago ☐ ID Indonesia ☐ UA Ukraine ☐ II Israel ☐ UG Uganda ☐ IN India ☑ US United States of America ☐ IS Iceland ☑ UZ Uzbekistan ☑ JP Japan ☐ UZ Uzbekistan ☐ KE Kenya ☐ VN Viet Nam ☐ KG Kyrgyzstan ☐ YU Yugoslavia ☐ KP Democratic People's Republic of Korea ☐ ZW Zimbabwe Check-boxes reserved for designating States (for the purposes of a national patent) which have become party to the PCT after issuance of this sheet: ☐ KZ Kazakhstan ☐ ☐ ☐ LK Sri Lanka ☐ ☐ ☐ LR Liberia ☐ ☐		EE						
□ GB United Kingdom □ SI Slovenia □ GD Grenada □ SK Slovakia □ GE Georgia □ SL Sierra Leone □ GH Ghana □ TJ Tajikistan □ GM Gambia □ TM Turkmenistan □ HR Croatia □ TR Turkey □ HU Hungary □ TT Trinidad and Tobago □ ID Indonesia □ UA Ukraine □ IL Israel □ UG Uganda □ IN India ☑ US United States of America □ IS Iceland ☑ US United States of America ☑ IS Iceland ☑ UZ Uzbekistan ☑ KE Kenya □ VN Viet Nam ☐ KG Kyrgyzstan □ YU Yugoslavia ☐ KP Democratic People's Republic of Korea □ ZW Zimbabwe Check-boxes reserved for designating States (for the purposes of a national patent) which have become party to the PCT after issuance of this sheet: ☐ KZ Kazakhstan □ CK Srin Lucia □ CK Srin Lucia ☐ LK Sri Lanka □ CK Srin Lucia □ CK Srin Lucia ☐ LK Liberia □ CK Srin Lucia □ CK Srin Lucia		ES						
GD Grenada		FI	Finland	=		~ .		
GE Georgia		GB	United Kingdom	\Box	SI			
GH Ghana ☐ TJ Tajikistan GM Gambia ☐ TM Turkmenistan ☐ HR Croatia ☐ TR Turkey ☐ HU Hungary ☐ TT Trinidad and Tobago ☐ ID Indonesia ☐ UA Ukraine ☐ IL Israel ☐ UG Uganda ☐ IN India ☑ US United States of America ☐ IS Iceland ☑ UZ Uzbekistan ☑ JP Japan ☐ UZ Uzbekistan ☐ KE Kenya ☐ VN Viet Nam ☐ KG Kyrgyzstan ☐ YU Yugoslavia ☐ KP Democratic People's Republic of Korea ☐ ZW Zimbabwe ☐ KR Republic of Korea a national patent) which have become party to the PCT after issuance of this sheet: ☐ KZ Kazakhstan ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐		GD	Grenada		SK	Slovakia		
GH Ghana ☐ TJ Tajikistan GM Gambia ☐ TM Turkmenistan ☐ HR Croatia ☐ TR Turkey ☐ HU Hungary ☐ TT Trinidad and Tobago ☐ ID Indonesia ☐ UA Ukraine ☐ IL Israel ☐ UG Uganda ☐ IN India ☑ US United States of America ☐ IS Iceland ☑ UZ Uzbekistan ☑ JP Japan ☐ UZ Uzbekistan ☐ KE Kenya ☐ VN Viet Nam ☐ KG Kyrgyzstan ☐ YU Yugoslavia ☐ KP Democratic People's Republic of Korea ☐ ZW Zimbabwe ☐ KR Republic of Korea a national patent) which have become party to the PCT after issuance of this sheet: ☐ KZ Kazakhstan ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐		GE	Georgia		SL	Sierra Leone		
HR Croatia ☐ TR Turkey HU Hungary ☐ TT Trinidad and Tobago IL Israel ☐ UG Uganda IN India ☑ US United States of America IS Iceland ☐ UZ Uzbekistan ☑ JP Japan ☐ UZ Uzbekistan ☐ KE Kenya ☐ VN Viet Nam ☐ KG Kyrgyzstan ☐ YU Yugoslavia ☐ KP Democratic People's Republic of Korea ☐ ZW Zimbabwe ☐ KR Republic of Korea ☐ ZW Zimbabwe ☐ KZ Kazakhstan ☐ Check-boxes reserved for designating States (for the purposes of a national patent) which have become party to the PCT after issuance of this sheet: ☐ KZ Kazakhstan ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐					TJ	Tajikistan		
HR Croatia ☐ TR Turkey HU Hungary ☐ TT Trinidad and Tobago IL Israel ☐ UG Uganda IN India ☑ US United States of America IS Iceland ☐ UZ Uzbekistan ☑ JP Japan ☐ UZ Uzbekistan ☐ KE Kenya ☐ VN Viet Nam ☐ KG Kyrgyzstan ☐ YU Yugoslavia ☐ KP Democratic People's Republic of Korea ☐ ZW Zimbabwe ☐ KZ Kazakhstan ☐ Check-boxes reserved for designating States (for the purposes of a national patent) which have become party to the PCT after issuance of this sheet: ☐ KZ Kazakhstan ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐	1 7	GM	Gambia		TM	Turkmenistan		
☐ HU Hungary ☐ TT Trinidad and Tobago ☐ ID Indonesia ☐ UA Ukraine ☐ IL Israel ☐ UG Uganda ☐ IN India ☐ US United States of America ☐ IS Iceland ☐ UZ Uzbekistan ☐ KE Kenya ☐ VN Viet Nam ☐ KG Kyrgyzstan ☐ YU Yugoslavia ☐ KP Democratic People's Republic of Korea ☐ ZW Zimbabwe ☐ KR Republic of Korea ☐ ZW Zimbabwe become party to the PCT after issuance of this sheet: ☐ KZ Kazakhstan ☐ ☐ LK Sri Lanka ☐ ☐ LR Liberia ☐					TR	Turkey		
□ ID Indonesia □ UG Uganda □ IN India □ US United States of America □ IS Iceland □ UZ Uzbekistan □ KE Kenya □ VN Viet Nam □ KG Kyrgyzstan □ YU Yugoslavia □ KP Democratic People's Republic of Korea □ ZW Zimbabwe □ KR Republic of Korea □ Check-boxes reserved for designating States (for the purposes of a national patent) which have become party to the PCT after issuance of this sheet: □ KZ Kazakhstan □ LK Sri Lanka □ LK Sri Lanka □ □ □ LR Liberia □				=				
□ IL Israel □ UG Uganda □ IN India ☒ US United States of America □ IS Iceland □ UZ Uzbekistan ☒ KE Kenya □ VN Viet Nam □ KG Kyrgyzstan □ YU Yugoslavia □ KP Democratic People's Republic of Korea □ ZW Zimbabwe ☒ KR Republic of Korea □ ZW Zimbabwe □ KZ Kazakhstan □ Check-boxes reserved for designating States (for the purposes of a national patent) which have become party to the PCT after issuance of this sheet: □ KZ Kazakhstan □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □				=				
IN India				_				
☐ IS Iceland ☑ JP Japan ☐ UZ Uzbekistan ☐ KE Kenya ☐ VN Viet Nam ☐ KG Kyrgyzstan ☐ YU Yugoslavia ☐ KP Democratic People's Republic of Korea ☐ ZW Zimbabwe ☐ Check-boxes reserved for designating States (for the purposes of a national patent) which have become party to the PCT after issuance of this sheet: ☐ KZ Kazakhstan ☐ LC Saint Lucia ☐ ☐ LK Sri Lanka ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐	1 =							
Image: Market Ma	⊔	IN	India	X	US			
□ KE Kenya □ VN Viet Nam □ KG Kyrgyzstan □ YU Yugoslavia □ KP Democratic People's Republic of Korea □ ZW Zimbabwe Check-boxes reserved for designating States (for the purposes of a national patent) which have become party to the PCT after issuance of this sheet: □ KZ Kazakhstan □ LC Saint Lucia □ LK Sri Lanka □		IS		_				
□ KG Kyrgyzstan □ YU Yugoslavia □ KP Democratic People's Republic of Korea □ ZW Zimbabwe □ Check-boxes reserved for designating States (for the purposes of a national patent) which have become party to the PCT after issuance of this sheet: □ KZ Kazakhstan □ LC Saint Lucia □ LK Sri Lanka □	8	JP						
□ KG Kyrgyzstan □ YU Yugoslavia □ KP Democratic People's Republic of Korea □ ZW Zimbabwe □ KR Republic of Korea Check-boxes reserved for designating States (for the purposes of a national patent) which have become party to the PCT after issuance of this sheet: □ KZ Kazakhstan □ LC Saint Lucia □ LK Sri Lanka □		KE	Kenya					
KP Democratic People's Republic of Korea ☐ ZW Zimbabwe Check-boxes reserved for designating States (for the purposes of a national patent) which have become party to the PCT after issuance of this sheet: KZ Kazakhstan ☐ LC Saint Lucia ☐ LK Sri Lanka ☐ LR Liberia		KG						
Check-boxes reserved for designating States (for the purposes of a national patent) which have become party to the PCT after issuance of this sheet: Check-boxes reserved for designating States (for the purposes of a national patent) which have become party to the PCT after issuance of this sheet: Check-boxes reserved for designating States (for the purposes of a national patent) which have become party to the PCT after issuance of this sheet: Check-boxes reserved for designating States (for the purposes of a national patent) which have become party to the PCT after issuance of this sheet: Check-boxes reserved for designating States (for the purposes of a national patent) which have become party to the PCT after issuance of this sheet: Check-boxes reserved for designating States (for the purposes of a national patent) which have become party to the PCT after issuance of this sheet:					ZW	Zimbabwe		
□ KR Republic of Korea a national patent) which have become party to the PCT after issuance of this sheet: □ KZ Kazakhstan □ LC Saint Lucia □ LK Sri Lanka □	! "	,		Ch	ock-b	oves reserved for designating States (for the purposes of		
KZ Kazakhstan issuance of this sheet: LC Saint Lucia	5	מעו		a na	ationa	al patent) which have become party to the PC1 after		
□ LC Saint Lucia □ □ LK Sri Lanka □ □ LR Liberia □	1 =			issı	iance	of this sheet:		
□ LK Sri Lanka □ □ LR Liberia □	=							
☐ LR Liberia ☐				=				
				=				
		LR						

Precautionary Designation Statement: In addition to the designations made above, the applicant also makes under Rule 4.9(b) all other designations which would be permitted under the PCT except any designation(s) indicated in the Supplemental Box as being excluded from the scope of this statement. The applicant declares that those additional designations are subject to confirmation and that any designation which is not confirmed before the expiration of 15 months from the priority date is to be regarded as withdrawn by the applicant at the expiration of that time limit. (Confirmation of a designation consists of the filing of a notice specifying that designation and the payment of the designation and confirmation fees. Confirmation must reach the receiving Office within the 15-month time limit.)

Sheet	No		4	Į		
311661	٠٠٠.	٠			٠	

			sneet No		
Box No. VI PRIORITY CL	AIM		Further price	ority claims are indicated	in the Supplemental Box.
Filing date	-	lumber		Where earlier applicati	
of earlier application (day/month/year)	or earm	er application	national application: country	regional application:* regional Office	international application: receiving Office
item (1) January 19, 1998	00768	39/1998	JAPAN		
item (2) January 19, 1998	00769	00/1998	JAPAN		
item (3)					
of the earlier application(s	() (only if	the earlier appl	ismit to the International Bilication was filed with the the receiving Office) identi	Office which for the	
• Where the earlier application is Convention for the Protection of Is	an ARIPO	application, it is	mandatory to indicate in the	Supplemental Box at least	one country party to the Paris Supplemental Box.
Box No. VII INTERNATIO	NAL SE	ARCHING AU	THORITY		
Choice of International Search (if two or more International Sea competent to carry out the international Authority chosen; the two-lette	arching Au ational sea	thorities are se	equest to use results of ea arch has been carried out by atc (day/month/year)	rlier search; reference or requested from the Inter Number	to that search (if an earlier national Searching Authority): Country (or regional Office)
ISA / EP	·				
Box No. VIII CHECK LIST	Γ; LANG	UAGE OF FII	LING		
This international application of the following number of sheet	ontains ts:		onal application is accompa	anied by the item(s) mark	ced below:
request :	4	_	culation sheet e signed power of attorney		
description (excluding	5.0		e signed power of attorney f general power of attorney		nv.
sequence listing part) :	52 8		ent explaining lack of signs		
claims abstract	1		document(s) identified in		(1)(2)
drawings :	20		tion of international application		(1)(2)
sequence listing part		_	= =		or other biological material
of description :		. — .	tide and/or amino acid seq	-	
Total number of sheets:	85	9. other (•
Figure of the drawings whic should accompany the abstract	h	<u> </u>	Language of filing of the international application:	English	Japanese
Box No. IX SIGNATURE	OF APP	LICANT OR A	AGENT		
Next to each signature, indicate the	name of the	person signing and	the capacity in which the person	signs (if such capacity is not	obvious from reading the request)
					V.*
	Masa	atomo Su	giura (seal)		
			-		
1. Date of actual receipt of t	he numort		or receiving Office use only	/	2. Drawings:
international application:	ne parport	-u	_		
Corrected date of actual retimely received papers or the purported international	drawings	completing			received:
4. Date of timely receipt of corrections under PCT A	the require	:d			not received:
5. International Searching A (if two or more are compo		SA / F		nittal of search copy dela earch fee is paid.	yed
		For	International Bureau use or	nly	
Date of receipt of the record by the International Bureau:	сору				